STOP
ARRÊT
ALTO

For problems or questions, DO NOT return this product to the store. Contact your Customer Service Agent .

En cas de problèmes ou pour des questions, NE PAS retourner ce produit au point de vente. S'adresser au préposé du Service à la clientèle en composant.

Para problemas o preguntas, NO devolver este producto a la tienda Contacte a su Agente de Servicio al Cliente.

McCulloch U.S.A.
12802 Leffingwell Rd.
Santa Fe Springs,
CA 90670
USA

For Consumer Assistance Please Call
L'Aide Du Consommateur Necessitez S'il Vous Plait
Para La Ayuda Del Consumidor Llame Por Favor

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1-800-521-8559

Made in China / Fabriquè à Chine / Hecho en China

USER MANUAL

Gas String Trimmer

Model : MCT3362VB

SAFETY
OPERATION
MAINTENANCE

WARNING • PLEASE READ

For your own safety please read this manual before attempting to operate your new unit. Failure to follow instructions can result in serious personal injury. Spend a few moments to familiarize yourself with your trimmer before each use.

PN 9096-3362xx
Printed in China

INTRODUCTION

PLEASE READ

Dear Customer,

Thank you for purchasing a McCulloch product. With proper operation and maintenance, it will provide you with years of service.

In order to make the best use of your investment, be **CERTAIN** to familiarize yourself with the contents of the **ENTIRE** user manual before attempting to operate and maintain your unit.

Be sure to carefully follow the step-by-step instructions in this manual to start, operate and maintain your new product.

In the manual there will be the following call-outs: **NOTE:**, **WARNING / CAUTION** and **WARRANTY**.

A **NOTE:** is used to convey additional information, to highlight a particular explanation, or to expand a description.

A **WARNING** or **CAUTION** identifies a procedure which, if not undertaken or if improperly done, can result in serious personal injury and/or damage to the unit.

The Ⓦ **(WARRANTY SYMBOL)** serves notice that unless instructions or procedures are followed, any damage caused will void the warranty and repairs will be at owner's expense.

Pay particular attention to the safety precautions. They are written for your protection and contain important information you must know to safely operate your trimmer.

FOR WARRANTY OR SERVICE CONTACT THE NEAREST McCULLOCH AUTHORIZED SERVICE CENTER - LOCATE YOUR NEAREST SERVICE CENTER BY CALLING THE TOLL FREE NUMBER IN THIS MANUAL.

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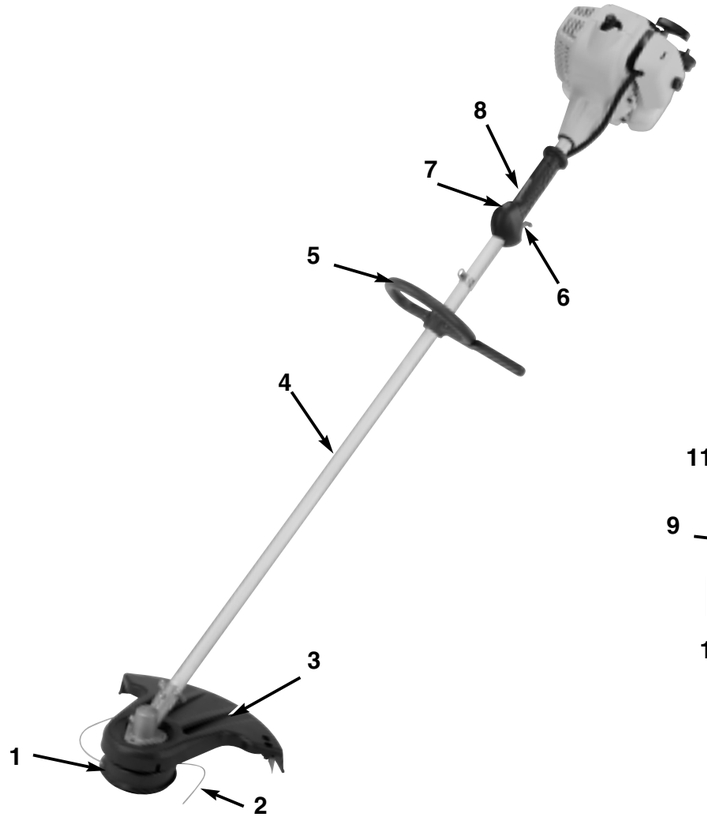
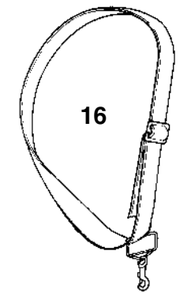
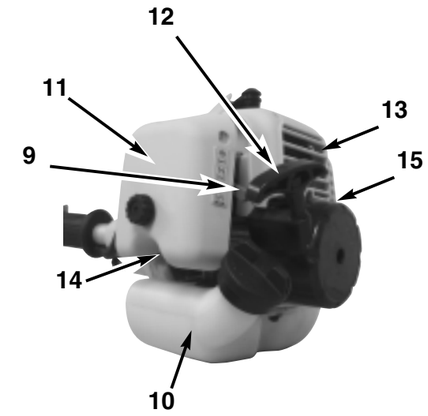
1 - GENERAL INFORMATION







1-1. GENERAL IDENTIFICATION

1. BUMP FEED HEAD *
2. CUTTING LINE *
3. DEBRIS SHIELD *
4. DRIVE SHAFT ASSEMBLY
5. P-HANDLE
6. THROTTLE TRIGGER
7. IGNITION ON/OFF SWITCH
8. SAFETY TRIGGER
9. CHOKE LEVER
10. FUEL TANK
11. AIR FILTER COVER
12. STARTER HANDLE
13. MUFFLER SHIELD
14. PRIMER BULB
15. SPARK ARRESTER SCREEN *
16. HARNESS

1-2. SAFETY FEATURES

Numbers preceding the descriptions correspond to numbers above to help you locate the safety feature.

3 DEBRIS SHIELD must be installed to prevent debris from being thrown at the USER and prevent the string from extending longer than necessary.

13 MUFFLER SHIELD helps prevent hands, body and/or combustible materials from making contact with a hot muffler.

15 SPARK ARRESTER SCREEN retains carbon and other flammable particles over 0.023" (.6 mm) in size from exhaust flow.

NOTE: Compliance with local, state and federal laws and/or regulations governing the use of a spark arrester screen is the **user's responsibility**. See Safety Precautions (Section 3) and Maintenance Instructions (Section 8) for additional information.

1 - GENERAL INFORMATION

1-3. SPECIFICATIONS

Engine Type	Air-cooled, 2-Cycle, Chrome Cylinder
Displacement	26cc / 1.8ci
Dry Weight	13.64 lbs. / 6.2 kg
Fuel Capacity	550 ml
Drive Shaft Length	52” (132cm)
Cutting Swath	17" (43cm)
Handle	“P” Handle
Carburetor	Primer / Diaphragm Type
Ignition	Electronic
Drive	Clutch
Maximum Engine Performance	0.78 kW
Maximum RPMS at Wide Open Throttle	8500 min
Idle Speed With no Stringhead Movement.	3000 min

2 - SAFETY PRECAUTIONS

2-1. WHAT TO DO

READ YOUR USER MANUAL AND ALL SUPPLEMENTS (IF ANY ENCLOSED) THOROUGHLY BEFORE OPERATING YOUR UNIT.

1. CLOTHING - Always wear heavy, long pants, boots, gloves and long sleeve shirt. Do not wear loose clothing, jewelry, short pants, sandals, or go barefoot. Secure hair so it is at shoulder level. Always wear a hard hat, a safety face shield, or safety glasses for eye protection and a good grade of ear plugs or other sound barriers for hearing protection.
2. FUELING - Mix and pour fuel outdoors where there are no sparks and flames. Slowly remove the fuel cap only after stopping the engine. Do not smoke while fueling or mixing fuel. Wipe spilled fuel from the unit. Move at least 30 ft (9m) away from the fueling source (gas can) and site before starting unit.
3. COMPLY WITH ALL FIRE PREVENTION REGULATIONS. COMPLIANCE WITH ALL LOCAL, STATE, OR FEDERAL LAWS IN THE UNITED STATES IS THE USER’S RESPONSIBILITY. Your unit comes with a spark arrester screen. Replacement spark arrester screen kits are available at your nearest McCulloch Authorized Service Center listed under “SAWS” in your Telephone Directory Yellow Pages.
4. TURN UNIT OFF before setting it down.
5. ALWAYS HOLD UNIT FIRMLY WITH BOTH HANDS, the thumb and fingers encircling the handles.
6. KEEP ALL SCREWS AND FASTENERS TIGHT. Never operate this equipment if it is improperly adjusted or not completely and securely assembled.
7. KEEP HANDLES DRY, clean and free of fuel mixture.
8. KEEP STRINGHEAD AS CLOSE TO GROUND AS PRACTICAL. Avoid hitting small objects with stringhead. When cutting on a slope, stand below stringhead.
9. CHECK AREA YOU WILL BE TRIMMING FOR DEBRIS that may be struck or thrown during operation.
10. KEEP ALL PARTS OF YOUR BODY AND CLOTHING AWAY FROM STRINGHEAD when starting or running engine. Before starting engine, make sure stringhead will not come in contact with any obstacle.
11. STOP ENGINE before examining cutting line.
12. STORE EQUIPMENT AWAY FROM POSSIBLE IGNITION SOURCES, such as gas-powered water heaters, clothes dryers, or oil-fired furnaces, portable heaters, etc.
13. ALWAYS KEEP the debris shield, stringhead, and engine free of debris build-up.
14. OPERATION OF EQUIPMENT should always be restricted to mature and properly instructed individuals.

2-2. WHAT NOT TO DO

1. (W) DO NOT USE ANY OTHER FUEL than that recommended in your manual. Always follow instructions in the Fuel and Lubrication section of this manual. Never use gasoline unless it is properly mixed with 2-cycle engine lubricant. Permanent damage to engine will result, voiding manufacturer’s warranty.
2. DO NOT SMOKE while refueling or operating equipment.
3. DO NOT OPERATE UNIT WITHOUT A MUFFLER and properly installed muffler shield.
4. DO NOT TOUCH or let your hands or body come in contact with a hot muffler or spark plug wire.
5. DO NOT OPERATE UNIT IN AWKWARD POSITIONS, off balance, outstretched arms, or one-handed. Always use two hands when operating unit with thumbs and fingers encircling the handles.
6. DO NOT RAISE STRINGHEAD above ground level while unit is operating. Injury to operator could result.
7. DO NOT USE UNIT FOR ANY PURPOSES OTHER than trimming lawn or garden areas.
8. DO NOT OPERATE UNIT FOR PROLONGED PERIODS. Rest periodically.
9. DO NOT OPERATE UNIT WHEN TIRED, ILL OR UNDER THE INFLUENCE OF ALCOHOL OR DRUGS OR MEDICATION.
10. DO NOT OPERATE UNIT UNLESS DEBRIS SHIELD AND/OR GUARD IS INSTALLED AND IN GOOD CONDITION.
11. (W) DO NOT ADD, REMOVE OR ALTER ANY COMPONENTS OF THIS PRODUCT. Doing so could cause personal injury and/or damage the unit voiding the manufacturer’s warranty.
12. DO NOT operate your unit near or around flammable liquids or gases whether in or out of doors. An explosion and/or fire may result. Never start or run the unit inside a closed room or building, breathing exhaust fumes can kill.
13. (W) DO NOT USE ANY OTHER CUTTING ATTACHMENT. Use only Genuine McCulloch replacement parts and accessories, which are designed specifically to enhance the performance and maximize the safe operation of our products. Failure to do so may cause poor performance and possible injury. Use only the stringhead supplied with this product. *Do not use any other cutting attachment*. **Use of such attachments will void your factory warranty** and could result in serious bodily injury.

2 - SAFETY PRECAUTIONS

2-3. INTERNATIONAL SYMBOLS

Use of these personal safety items is highly recommended to reduce the risk of accidental injury.

Minimum operating distance

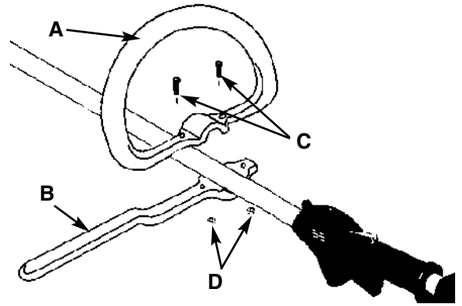
Read the User Manual.

Pump the primer bulb 10 times.

3 - ASSEMBLY INSTRUCTIONS

3-1. "P" HANDLE ASSEMBLY

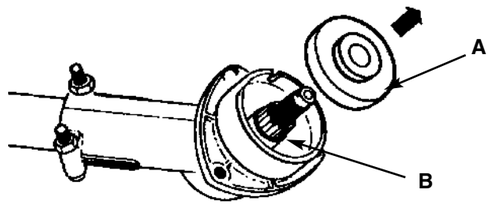
1. To install handle onto unit, you will need the following components from your user kit: "P" handle (A & B), screws (C) and nuts (D). (Figure 3-1).
2. Install the handle (B) on the shaft 6.0" to 7.87" (160-200mm) fromthrottle and tighten the 2 screws (C) and nuts (D).



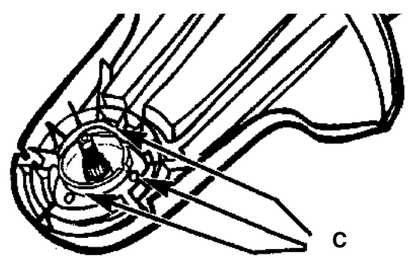
3-1A

3-2. DEBRIS SHIELD

1. Remove gear collar (A) from the threaded gear housing shaft. Ensure collar spacer (B) is in place (Fig. 3-2A).
2. Install debris shield with 3 screws (C) provided (Fig. 3-2B).



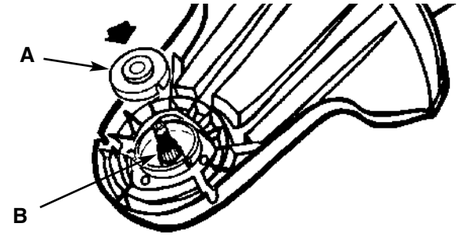
3-2A



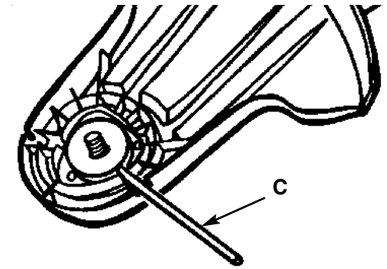
3-2B

3-3. STRINGHEAD INSTALLATION

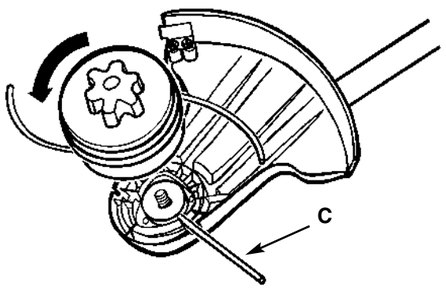
1. Install gear collar (A) ensuring that COLLAR SPACER (B) is in place (Fig. 3-3A).
2. Insert holding pin (C) and thread stringhead onto shaft. Tighten stringhead by HAND ONLY (Fig. 3-3B and 3-3C).



3-3A



3-3B



3-3C

4 - FUEL AND LUBRICATION

4-1. FUEL

Use regular grade unleaded gasoline mixed with Genuine McCulloch 40:1 2-cycle engine oil for best results. Use mixing ratios in Section 5-3.

Ⓦ Never use straight gasoline in your unit. This will cause permanent engine damage and void the manufacturer's warranty for that product. Never use a fuel mixture that has been stored for over 90 days.

Ⓦ If 2-cycle lubricant other than Genuine McCulloch Lubricant is to be used, it must be a premium grade oil for 2-cycle air cooled engines mixed at a 40:1 ratio. Do not use any 2-cycle oil product with a recommended mixing ratio of 100:1. If insufficient lubrication is the cause of engine damage, it voids the manufacturer's engine warranty.

4-2. MIXING FUEL

Add oil to an approved fuel container followed by the gasoline to allow incoming gasoline to mix with oil. Shake container to ensure thorough mix.

Ⓦ Lack of lubrication voids engine warranty. Gasoline and oil must be mixed at 40:1.

4-3. FUEL MIXING TABLE

GASOLINE	McCulloch 40:1 Ratio Lubricant	
1 U.S. Gal.	3.2 oz.	95ml (cc)
5 Liters	4.3 oz.	125ml (cc)
1 Imp. Gal.	4.3 oz.	125ml (cc)
Mixing Procedure	**40 Parts Gasoline to 1 Part Lubricant**	
1ml=1cc		

4-4. RECOMMENDED FUELS

Some conventional gasolines are being blended with oxygenates such as alcohol or an ether compound to meet clean air standards. Your McCulloch engine is designed to operate satisfactorily on any gasoline intended for automotive use including oxygenated gasolines.

4-5. FUEL AND LUBRICATION SYMBOLS

Gasoline and Oil Mix 40:1

5 - OPERATING INSTRUCTIONS

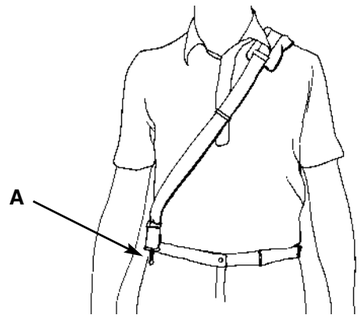
5-1. SHOULDER HARNESS

WARNING

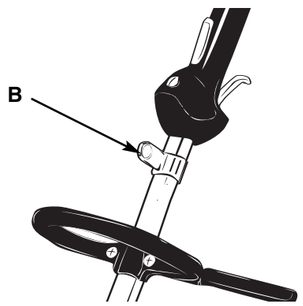
ALWAYS WEAR SHOULDER HARNESS when operating unit with a blade. Attach harness to trimmer after starting unit and engine is running at IDLE. Turn ENGINE OFF before disconnecting shoulder harness.

1. Put the harness on so the shoulder strap is over your LEFT shoulder.
2. Attach the harness clip (A) to the ring (B) mounted on the shaft (Figures 5-1A and 5-1B).
3. Adjust length of shoulder strap so stringhead is parallel to the ground as it hangs from the strap. A few practice swings without starting engine should be made to determine correct balance.

NOTE: Detach the shoulder harness from the unit before starting engine.



5-1A



5-1B

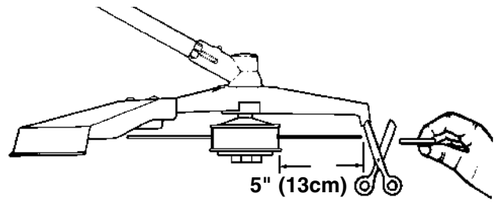
5-2. STARTING A COLD ENGINE

NOTE: To minimize load on engine during starting and warm-up, trim excess cutting line to 5" (13cm) (Fig. 5-2A).

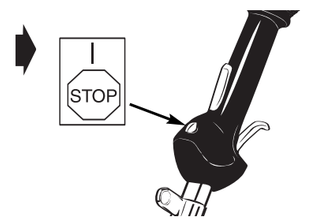
1. Move ignition switch to the "RUN (I)" position (Fig. 5-2B).
2. Your unit is designed with a 3 position choke: CHOKE "⊢", START " ◹ ", and RUN " ⫞ ". Move choke lever to CHOKE "⊢" position (Fig. 5-2C).
3. Prime the carburetor. Pump the primer bulb (A) 10 times (Fig. 5-2D).
4. Grip handle firmly – depress safety trigger (B) & throttle trigger (C) to the FULL THROTTLE position (Fig. 5-2E).
5. Pull starter rope until resistance is felt (about 4") (Fig. 5-2F). A smooth rapid pull is required for a strong spark. Pull starter rope briskly 4 times.
6. Move choke lever to START " ◹ " position (Fig. 5-2G).
7. Pull starter rope again 4 times while trigger is in the full throttle position.
8. Once engine starts, leave in the START " ◹ " position for 10 seconds.
9. Move the choke to RUN "⫞" position (Fig. 5-2H).
10. If engine fails to start, repeat steps 1 through 9.

NOTE: If engine fails to start after repeated attempts, refer to trouble shooting section.

NOTE: Always pull starter rope straight out. Pulling starter at an angle will cause rope to rub against the eyelet. This friction will cause the rope to fray and wear more quickly. Always hold starter handle when rope retracts. Never allow rope to snap back from extended position. This could cause rope to snag or fray and also damage the starter assembly.

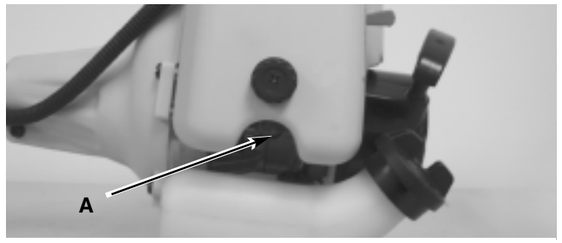


5-2A



5-2B

5-2C



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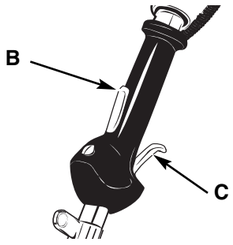
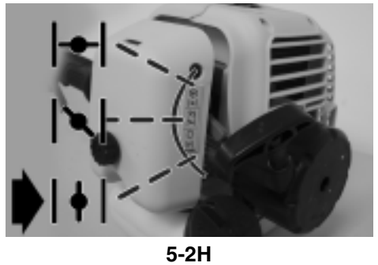


5-2E

5-2F

5-2G



5-2H

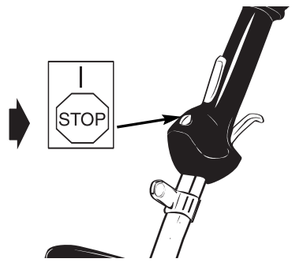
5-3. WARM ENGINE START

1. Move ignition switch to the “RUN (I)” position.
2. Place choke in START “” position (Fig. 5-3).
3. Grasp throttle handle firmly, squeeze throttle trigger to FULL position.
4. Pull starter rope briskly until engine starts, but no more than 6 times. Keep throttle at FULL position until engine runs smoothly.
5. If engine does not start, place choke in RUN “” position and pull starter rope 5 more times. If engine still does not start it is probably flooded. Wait 5 minutes and repeat procedure with choke in RUN “” position and throttle full open.

5-3

5-4. TO STOP ENGINE

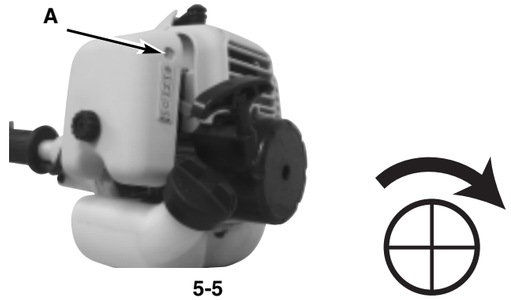
Release throttle trigger. Let engine return to idle. Move switch to “STOP” position. (Fig. 5-4)



5-4

5-5. IDLING/CARBURETOR ADJUSTMENT

1. Occasionally, due to atmospheric conditions such as altitude it might be necessary to make slight adjustment to idle speed.
2. Insert phillips or flat screwdriver into access hole A (figure 5-5). Turn 1/8 turn clockwise to increase idle speed and 1/8 turn counterclockwise to decrease idle speed.



5-5

6-1. ADDITIONAL SAFETY PRECAUTIONS

Before operating your unit, review ALL SAFETY PRECAUTIONS in this manual.

WARNING / CAUTION

- IF UNFAMILIAR WITH TRIMMING techniques, practice the procedures with ENGINE in “OFF” position.
- ALWAYS CLEAR WORK area of debris such as cans, bottles, rocks, etc. Striking objects can cause serious injury to operator or bystanders and also damage equipment. If an object is accidentally hit, immediately TURN ENGINE OFF and examine equipment. Never operate unit with damaged or defective equipment.
- ALWAYS TRIM OR CUT AT HIGH ENGINE SPEEDS. Do not run engine slowly at start or during trimming operations.
- DO NOT use equipment for purposes other than trimming or mowing weeds.
- NEVER raise stringhead above knee height during operation.
- DO NOT operate unit with other people or animals in the immediate vicinity. Allow a minimum of 50 feet (15 meters) between operator and other people and animals when trimming or mowing. Allow a distance of 100 feet (30 meters) between operator and other people and animals when SCALPING with stringhead cutting.
- IF OPERATING UNIT ON A SLOPE, stand below the cutting attachment. DO NOT OPERATE on a slope or hilly incline if there is the slightest chance of slipping or losing your footing.

6-2. STRINGHEAD LINE RELEASE

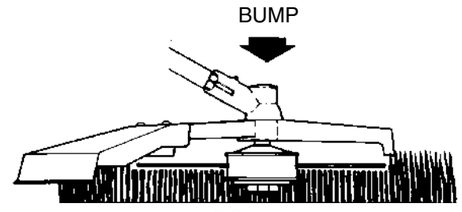
WARNING / CAUTION

DO NOT use steel wire or plastic-coated steel wire of any kind with your stringhead. Serious operator injury can result.

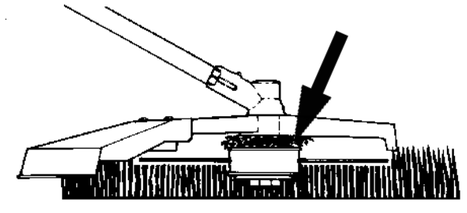
To release fresh line, run engine at full throttle and “bump” stringhead against lawn. Line will automatically release. The knife in debris shield will trim excess line (Figure 6-2A).

CAUTION

Be sure engine is off and string head has stopped before attempting to remove weeds wrapped around the shaft. Periodically weeds will wrap around the shaft. They will need to be removed or they will prevent the shaft from being properly cooled and could result in damage. Use a sharp object like a screw driver to remove them. (Fig. 6-2B)



6-2A



6-2B

6 - TRIMMING INSTRUCTIONS

6-3. TRIMMING PROCEDURES

When properly equipped with a debris shield and stringhead, your unit will trim unsightly weeds and tall grass in those hard-to-reach areas - along fences, walls, foundations and around trees. It can also be used for scalping to remove vegetation down to the ground for easier preparation of a garden or to clean out a particular area.

NOTE: Even with care, trimming around foundations, brick or stone walls, curves, etc., will result in above normal string wear.

TRIMMING / MOWING

Swing trimmer with a sickle-like motion from side to side. Do not tilt the stringhead during the procedure. Test area to be trimmed for proper cutting height. Keep stringhead at same level for even depth of cut (Figure 6-3A).

6-3A

CLOSER TRIMMING

Position trimmer straight ahead with a slight tilt so bottom of stringhead is above ground level and string contact occurs at proper cutting point. Always cut away from operator. Do not pull trimmer in toward operator.

FENCE / FOUNDATION TRIMMING

Approach trimming around chain link fences, picket fences, rock walls and foundations slowly to cut close without whipping string against the barrier. If the string comes in contact with rock, brick walls, or foundations, it will break or fray. If string snags fencing, it will snap off.

TRIMMING AROUND TREES

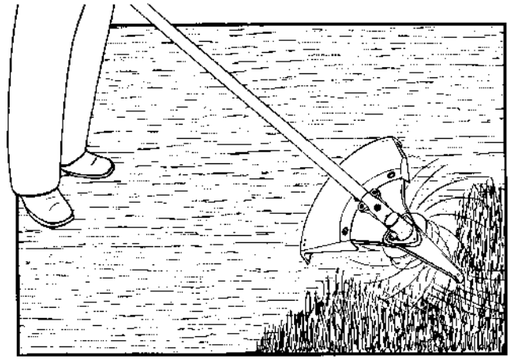
Trim around tree trunks with a slow approach so string does not contact bark. Walk around the tree trimming from left to right. Approach grass or weeds with the tip of the string and tilt stringhead slightly forward.

WARNING

Use extreme caution when SCALPING. Keep a distance of 100 feet (30 meters) between operator, other people and animals during these operations.

SCALPING

Scalping refers to removal of all vegetation down to the ground. To do this, tilt the stringhead to about a 30 degree angle to the left. By adjusting the handle you will have better control during this operation. Do not attempt this procedure if there is any chance flying debris could injure operator, other people or cause damage to property (Figure 6-3B).



6-3B

WARNING

DO NOT SWEEP WITH TRIMMER

Sweeping refers to tilting stringhead to sweep away debris from walkways, etc. Your trimmer is a powerful tool and small stones or other such debris may be hurled 50 feet (15 meters) or more, causing injury or damage to nearby property such as automobiles, homes and windows.

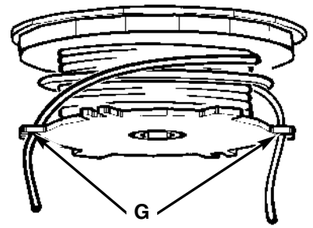
7 - MAINTENANCE INSTRUCTIONS

MAINTENANCE CHECKLIST		EACH USE	HOURS OF OPERATION	
ITEM	ACTION		10	20
SCREWS / NUTS / BOLTS	INSPECT / TIGHTEN	✔		
AIR FILTER	CLEAN OR REPLACE		✔	
FUEL FILTER	REPLACE			✔
SPARK PLUG	CLEAN / ADJUST / REPLACE		✔	
SPARK ARRESTER SCREEN	CLEAN OR REPLACE	✔		
FUEL HOSES	INSPECT	✔		
	*REPLACE AS REQUIRED			
STRINGHEAD	INSPECT	✔		
	*REPLACE AS REQUIRED			

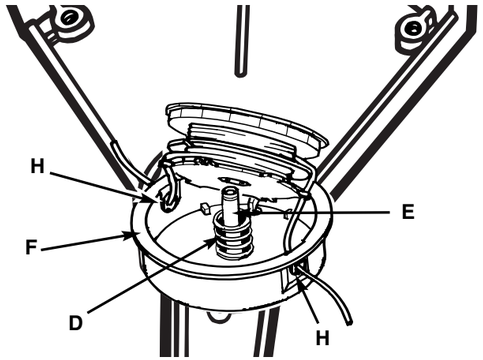
*Recommended maintenance by an McCulloch authorized service center technician using Genuine Factory McCulloch Replacement parts

7-1. REPLACING CUTTING LINE

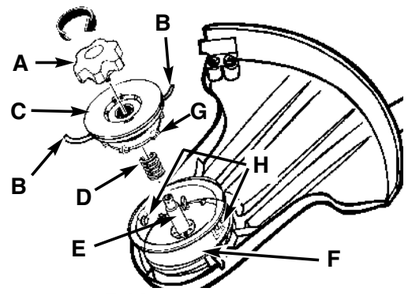
1. Turn the knob (A) CLOCKWISE and remove it (Figure 7-1A).
2. Remove the spool (C), and spring (D) from spindle (E)
3. Remove any remaining cutting line.
4. Double a 32' (9.8m) length of .095 or .105" (.24 or .27cm) cutting line. Place the looped center in one of the slots of the spool divider (Figure 7-1B).
5. Wind as shown in illustration (Figure 7-1C), keeping tension, with each half separated by the spool divider. Wind to within 6" (15cm) of the ends.
6. Lock each end of line into a slot (G) on opposite sides of the spool (Figure 7-1D).
7. Install the spring (D) over the spindle (E). Insert each end of the line through an eyelet (H) in the housing (F) (Figure 7-1E).
8. Lower the spool into the housing (E) while feeding the line through the eyelets (H). Ensure the spring seats itself into the spool (Figure 7-1E).
9. Once the spool is in place, apply pressure on the spool compressing the spring. Pull each end of the line (B) sharply to unlock the line from the slots (Figure 7-1F).
10. Continue to apply pressure to the spool until the knob can be threaded COUNTERCLOCKWISE onto the spindle. Tighten the knob securely by hand only (Figure 7-1H).
11. Trim the excess line to approximately 5" (13cm). This will minimize load on engine during starting and warm-up (Figure 7-1H).



7-1D

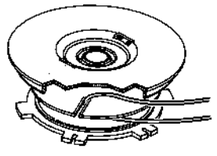


7-1E

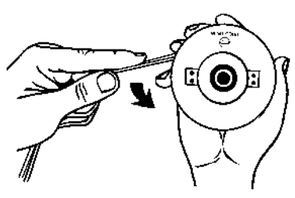


A. KNOB
B. CUTTING LINE
C. SPOOL
D. SPRING
E. SPINDLE
F. HOUSING
G. DIVIDER SLOTS
H. EYELETS

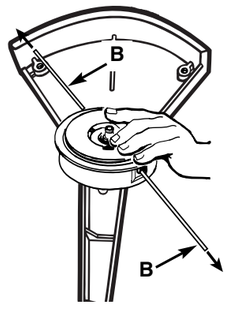
7-1A



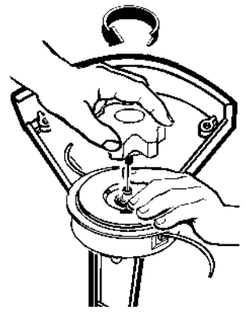
7-1B



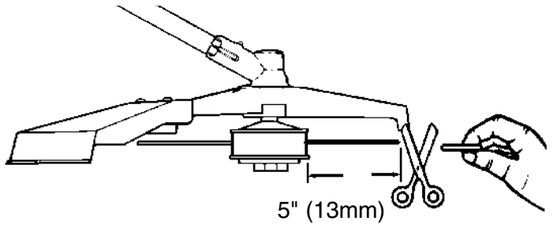
7-1C



7-1F



7-1G



7-1H

7-2. AIR FILTER

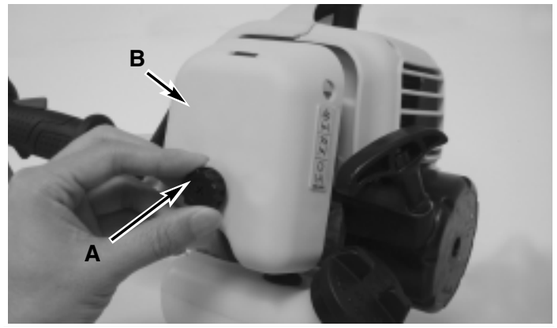
CAUTION

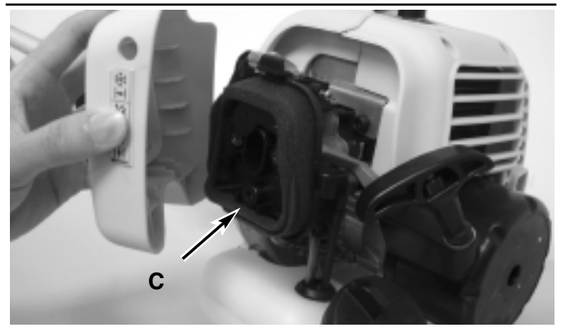
NEVER operate trimmer without the air filter. The air filter must be kept clean. If it becomes damaged, install a new filter.

To Clean Air Filter:

1. Remove knob (A) holding air filter cover in place, remove cover (B) and lift filter (C) from air box (Figure 7-2A).
2. Wash filter in soap and water. **DO NOT USE GASOLINE!**
3. Air dry filter.
4. Reinstall filter.

NOTE: Replace filter if frayed, torn, damaged or unable to be cleaned.





7-2A

7-3. FUEL CAP / FUEL FILTER

CAUTION

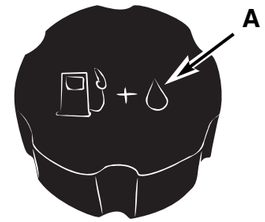
Remove fuel from unit and store in approved container before starting this procedure. Open fuel cap slowly to release any pressure which may have formed in fuel tank.

NOTE: Keep vent (A) on fuel cap clean of debris (Figure 7-3A).

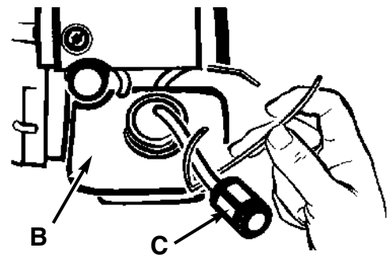
Fuel Filter:

1. Completely remove fuel cap from fuel tank (B) to be able to remove fuel filter (C) from tank. (Figure 7-3B)
2. Pull filter (D) off with a twisting motion. (Figure 7-3C)
3. Replace fuel filter (D). (Figure 7-3C)

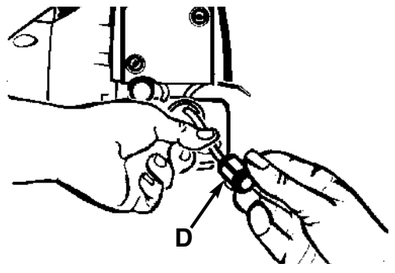
NOTE: Never operate the trimmer without the fuel filter. Internal engine damage could result!



7-3A



7-3B



7-3C

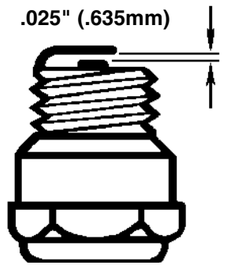
7 - MAINTENANCE INSTRUCTIONS

7-4. CARBURETOR ADJUSTMENT

The carburetor was pre-set at the factory for optimum performance. The only adjustment should be to idle speed see section 5-5, Idling/Carburetor adjustment.

7-5. SPARK PLUG

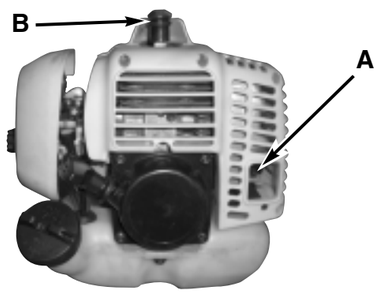
1. To remove spark plug B (figure 7-6A) for cleaning or replacement: make sure engine is off, spark plug is cool then grasp spark plug boot firmly and remove from spark plug. Remove spark plug with correct spark plug tool. Inspect, clean or replace as needed.
2. Spark plug gap = .025" (.635mm) (Figure 7-5A).
3. Torque to 105 to 130 inch pounds (12 to 15 N•m). Connect spark plug boot.
4. If necessary, replace with Champion RZ7C or equivalent.



7-5A

7-6. SPARK ARRESTER SCREEN

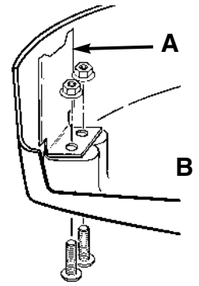
1. To replace spark arrester screen (A) (Figure 7-6A), use a needle nose pliers, pinch an edge of the spark arrester screen. Pull the whole spark arrester screen out.
2. Use the needle nose pliers to push in a new spark arrester screen. Then open the pliers a little to press the inner surface of the spark arrester screen to fasten it.



7-6A

7-7. DEBRIS SHIELD KNIFE SHARPENING

1. Remove cutter knife (A) from debris shield (B) (Figure 7-7A).
2. Place knife in a bench vise. Sharpen knife using a flat file, being careful to maintain the angle of cutting edge. File in one direction only.



7-7A

7-8. STORING A UNIT

Ⓦ Failure to follow these steps may cause varnish to form in the carburetor and difficult starting or permanent damage following storage.

1. Perform all the general maintenance recommended in the Maintenance Section of your User Manual.
2. Clean exterior of engine, drive shaft assembly, debris shield and stringhead.
3. Drain fuel from the fuel tank.
4. After fuel is drained, start engine.
5. Run engine at idle until unit stops. This will purge the carburetor of fuel.
6. Allow engine to cool (approx. 5 minutes).
7. Using a spark plug wrench, remove the spark plug.
8. Pour 1 teaspoon of clean 2-cycle oil into the combustion chamber. Pull starter rope slowly several times to coat internal components. Replace spark plug.
9. Store unit in a cool, dry place away from any source of ignition such as an oil burner, water heater, etc.

7-9. REMOVING A UNIT FROM STORAGE

1. Remove spark plug.
2. Pull starter rope briskly to clear excess oil from combustion chamber.
3. Clean and gap spark plug or install a new spark plug with proper gap.
4. Prepare unit for operation.
5. Fill fuel tank with proper fuel / oil mixture. See Fuel and Lubrication Section.

8 - TROUBLESHOOTING THE ENGINE

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
Unit won't start or starts but will not run.	Incorrect starting procedures.	Follow instructions in the User Manual.
	Incorrect carburetor mixture adjustment setting.	Have carburetor adjusted by a McCulloch Authorized Service Center.
	Fouled spark plug	Clean / gap or replace plug.
	Fuel filter plugged.	Replace fuel filter.
Unit starts, but engine has low power.	Incorrect lever position on choke.	Move to RUN position.
	Dirty spark arrester screen.	Replace spark arrester screen.
	Dirty air filter.	Remove, clean and reinstall filter.
	Incorrect carburetor mixture adjustment setting.	Have carburetor adjusted by a McCulloch Authorized Service Center.
Engine hesitates.	Incorrect carburetor mixture adjustment setting.	Have carburetor adjusted by a McCulloch Authorized Service Center.
No power under load.		
Runs erratically.	Incorrectly gapped spark plug.	Clean / gap or replace plug.
Smokes excessively.	Incorrect carburetor mixture adjustment setting.	Have carburetor adjusted by a McCulloch Authorized Service Center.
	Incorrect fuel mixture	Use properly mixed fuel (40:1 mixture).

9 - TROUBLESHOOTING THE STRINGHEAD

PROBLEM	PROBABLE CAUSE	SOLUTION
Line won't feed	Line is tangled inside stringhead.	Remove spool from unit; disassemble. Untangle line and wind correctly in direction indicated on spool (see Section 7-1).
	Upon removing spool, line appears to be melted together.	Trim off damaged line and rewind line (see Section 7-1).
	Line wound in wrong direction inside stringhead.	Remove spool. Check to be certain line is wound in direction indicated on line element (see Section 7-1).
	Insufficient line inside stringhead.	Remove spool and install new line (see Section 7-1).
	Internal damage to stringhead caused by bumping too hard on ground while advancing line.	Disassemble stringhead and examine parts for damage. Replace parts or entire head (see Section 7-1).
Line snaps off or frays.	Improper trimming procedures, or poor quality line.	See Trimming Procedures (see section 6-3) or replace line (see section 7-1)
Unable to remove stringhead knob.	Stringhead knob overtightened.	Use anti-seize compound and reinstall knob HAND TIGHT ONLY.
Stringhead and shaft are hot to the touch.	Weeds wrapped around shaft	Remove weeds (see Section 6-2).

10 - TWO YEAR LIMITED WARRANTY

1. DURATION

The duration of the warranty for this McCulloch product is as follows: TWO (2) YEARS from date of original purchase only when used for personal, family, household, farm or ranch, purposes, provided the unit is not used for rental purposes; NINETY (90) DAYS from date of original purchase when used for commercial, professional, institutional or rental purposes. This warranty gives you specific legal rights. You may also have other rights which vary from state to state. MCCULLOCH CORPORATION HEREBY DISCLAIMS ALL IMPLIED WARRANTIES AFTER THE APPLICABLE EXPIRATION DATES OF THIS EXPRESS LIMITED WARRANTY. (Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.)

2. WHO GIVES THIS WARRANTY

McCulloch U.S.A 1-800-521-8559
12802 Leffingwell Rd. Santa Fe Springs, CA 90670 USA

3. WHO RECEIVES THIS WARRANTY

A. The buyer (other than for purposes of resale) of the McCulloch Product.
B. Any person to whom such product is lawfully transferred within the duration of the implied or written warranty applicable to the product.
C. Any other person who is entitled by the terms of the warranty or under applicable state law to enforce against the Warrantor the obligation of the warranty.
(The above mentioned parties are hereinafter referred to as "User.")

4. WHAT IS COVERED UNDER THIS WARRANTY

Any failure that occurs within the applicable duration of the warranty period that is the result of defects in materials or workmanship. All work must be preformed by a McCulloch Authorizedd Service Center.

5. WHAT IS NOT COVERED UNDER THIS WARRANTY

A. Any incidental or consequential damages that may result from the failure or malfunction of the McCulloch product. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so these limitations may not apply to you.)
B. Any failure that results from an accident, User abuse, neglect or failure to operate the product in accordance with the instructions provided in the User Manual(s) supplied with the product, or that results from improper servicing by an unauthorized repair facility.
C. Normal adjustments or wear items which are explained in the User Manual(s) provided with the product.
D. Any component(s) or accessories not sold or manufactured by the Warrantor.
E. Predelivery setup or assembly of units.
F. This warranty does not apply to accessories, normal maintenance, wear items or adjustment(s) of the product set forth in the User Manual(s).

6. RESPONSIBILITIES OF THE WARRANTOR UNDER THIS WARRANTY

A. Repair or replace components which have failed within the duration of the applicable warranty period at no cost to the User.
B. Ensure that the McCulloch Authorized Service Center is reimbursed for parts and labor costs incurred due to performance of a warranty repair in accordance with established warranty policies and procedures.

7. RESPONSIBILITIES OF THE USER UNDER THIS WARRANTY

A. The User must deliver or ship the McCulloch product covered under this warranty to the dealer from whom it was originally purchased or to the nearest McCulloch Authorized Service Center. **Proof of purchase is required.**
B. Freight costs, if any, will be borne by the user.
C. Use reasonable care in maintenance, operations and storage of the product as explained in the User Manual(s).

8. WHEN WARRANTOR WILL PERFORM OBLIGATION UNDER THIS WARRANTY

A. Repair of warrantable products will be scheduled according to the normal work flow at the servicing location, depending on the availability of replacement parts.
B. Repair time which exceeds ten (10) days from the time the product was delivered to the service center will extend the warranty coverage by the number of days the product remains inoperable.
C. If User does not receive satisfactory results from local service center, User must contact McCulloch Corporation, by calling our toll-free telephone number.